

IN THE CLAIMS:

This listing of the claims replaces all previous claims listings:

1-9 Cancelled.

10. (Currently Amended) ~~The method according to claim 9,~~

A method in a communication system operating in a licensed radio frequency band and an unlicensed radio frequency band comprising:

exchanging traffic information between a base station and a mobile station on at least one radio channel in the unlicensed radio frequency band; and

exchanging control information that is associated with the traffic information, in the licensed radio frequency band_z

wherein exchanging traffic information further comprises exchanging traffic information on a traffic channel in the unlicensed radio frequency band_z

wherein a channel in the licensed radio frequency band includes a slow associated control channel and an on-demand fast associated control channel_z

wherein the slow associated control channel is dedicated to a first mobile station of a plurality of mobile stations ~~and~~

wherein the on-demand fast associated control channel is shared between the plurality of mobile stations_z and

wherein a request for use of the shared on-demand fast associated control channel by a mobile station of the plurality of mobile stations is transmitted on the slow associated control channel.

11. (Currently Amended) ~~The method according to claim 9,~~ A method in a communication system operating in a licensed radio frequency band and an unlicensed radio frequency band comprising:

exchanging traffic information between a base station and a mobile station on at least one radio channel in the unlicensed radio frequency band; and

exchanging control information that is associated with the traffic information, in the licensed radio frequency band,

wherein exchanging traffic information further comprises exchanging traffic information on a traffic channel in the unlicensed radio frequency band,

wherein a channel in the licensed radio frequency band includes a slow associated control channel and an on-demand fast associated control channel,

wherein the slow associated control channel is dedicated to a first mobile station of a plurality of mobile stations ~~and~~

wherein the on-demand fast associated control channel is shared between the plurality of mobile stations, ~~and~~

wherein control of the use of the on-demand fast associated control channel between the plurality of mobile stations is by a use field or a grant field encoded on a dedicated slow associated control channel.